

**To:** 'Tony Donigian'[Tony.Donigian@respec.com]; 'SPaul (SPaul@mbakerintl.com)'[SPaul@mbakerintl.com]; 'Anurag Mishra'[Anurag.Mishra@respec.com]  
**From:** Shaikh, Taimur  
**Sent:** Fri 3/9/2018 10:46:18 PM  
**Subject:** RE: Base Run vs Calibration run  
[Illinois River Watershed & Lake Tenkiller Update.pptx](#)  
[SurUp and TN870.pptx](#)  
[Illinois River Watershed Modeling Effort\\_june27-28.pptx](#)

FYI

Taimur A. Shaikh, Ph.D.  
Assessment, Listing, and TMDL Section (6WQ-PT)  
Water Division | EPA Region 6



---

**From:** Tony Donigian [mailto:Tony.Donigian@respec.com]  
**Sent:** Friday, March 09, 2018 4:38 PM  
**To:** Shaikh, Taimur ; SPaul (SPaul@mbakerintl.com) ; Anurag Mishra  
**Subject:** FW: Base Run vs Calibration run  
Changes according to Brian.

---

**TONY DONIGIAN**

650-962-1864 // 650-962-1868 D // 650-722-2669 C

---

**From:** Brian Bicknell  
**Sent:** Tuesday, December 12, 2017 12:28 PM  
**To:** Tony Donigian <Tony.Donigian@respec.com>; Anurag Mishra <Anurag.Mishra@respec.com>  
**Subject:** Base Run vs Calibration run

The Base run has the following changes from the calibration run:

- The model time span is 1992-2009; the calibration span is 2001-2009
- The Base run point sources are monthly values from 2015 that are applied to each year of the run; we processed data that Taim sent on **7/18/16**. The comment at the top of the UCI file about using 2009 data is incorrect. Neither run has NACA point source; this might be an error in the Base run.
- The land use is changed to NLCD 2011 (based solely on the comment in the UCI; I didn't research this further). This is a complex change because of the different pasture types!
- Both runs have the artificial baseflow added to RCHs 150, 304, 308.
- Expert System/hydrology output (COPYs) has been removed from Base run.
- Litter application rates in Base run are set to 2009 values for all years.
- Both runs have the updated monthly distribution for litter and the updated 10% surface and 90% upper layer for litter applications.
- Both runs have Taim's updated RCHRES denitrification rates.
- Both runs have same N fertilizer added to non-litter pasture.
- Both runs have same parameter values

Brian Bicknell  
RESPEC Consulting & Services (formerly AQUA TERRA Consultants)  
2685 Marine Way, Suite 1314  
Mountain View, CA 94043  
650-962-1865

Confidentiality Notice: This E-mail and any attachments is covered by the Electronic Communications Privacy Act, 18 U.S.C. & 2510-2524, is confidential and may be legally privileged. If you are not the intended recipient, you are hereby notified that any retention, dissemination, or copying of this communication is strictly prohibited. Please reply to the sender that you have received the message in error, and permanently delete the original and destroy any copy, including printed copies of this email and any attachments thereto.